

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/009511 A2

(51) International Patent Classification⁷: **A61M 1/28**,
F04B 43/12

(74) Agent: **ROLAND, André**; Avenue Tissot 15, CH-1001
Lausanne (CH).

(21) International Application Number:
PCT/CH2004/000480

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 2 August 2004 (02.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/CH03/00527 31 July 2003 (31.07.2003) CH
PCT/CH04/000040 26 January 2004 (26.01.2004) CH

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **DE-BIOTECH S.A.** [CH/CH]; 28, avenue de Sévelin, CH-1004 Lausanne (CH).

(72) Inventors; and

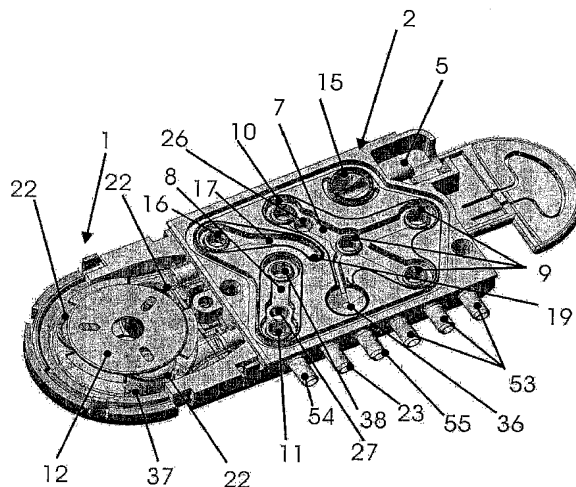
(75) Inventors/Applicants (*for US only*): **NEFTEL, Frédéric** [FR/CH]; ch. de Bellevue 36, CH-1005 Lausanne (CH). **JUNOD, Florent** [CH/CH]; Ch. d'Eysins 45a, CH-1260 Nyon (CH). **VECTEN, Didier** [FR/CH]; c/o DEBIOTECH SA, Av. de Sévelin 28, CH-1004 Lausanne (CH).

Published:

— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: A SYSTEM FOR PERFORMING PERITONEAL DIALYSIS



(57) Abstract: The invention concerns a system and a method of use of said system for performing fluid administration on a patient, the system comprising: -a liquid pump (1), - a liquid distribution system (2) connected to said pump (1) in such a way that liquid can flow from the liquid distribution system (2) to the pump (1) and vice versa, - liquid supply means (3) for supplying liquid to a patient (4) via said liquid distribution system (2) and said pump (1), - a patient conduit (5) adapted for connecting said liquid distribution system (2) to a patient (4), the system being characterized by the fact that said liquid distribution system (2) comprises two distinct hub chambers (7,8), the first hub chamber (7) including at least one liquid supply port with dedicated valve means (9), one patient port with dedicated valve means (10) and one pump inlet (26), the second hub chamber (8) including at least, one patient port (18) or warmer port (16) with dedicated valve means and one pump outlet (27), said system furthermore comprising control means arranged to close said patient port (10) of the first hub chamber (7) when said liquid supply port (9) is open and vice versa.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.